

This listing of claims replaces all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1, 2. (Canceled)

3. (Withdrawn) A magazine data storage element, as claimed in claim 1, wherein: said frame structure comprises: a first pair of parallel side surfaces; a second pair of parallel side surfaces that are perpendicular to said first pair of parallel side surfaces; a third pair of parallel side surfaces that are perpendicular to said first pair of parallel side surfaces and said second pair of parallel side surface; a first hole in one side surface of said first pair of parallel side surfaces; and a second hole in the other side surface of said first pair of parallel side surfaces.

4. (Withdrawn) A magazine data storage element, as claimed in claim 1, wherein: said frame structure comprises a cage capable of holding two of said plurality of hard disk drives.

5. (Withdrawn) A magazine data storage element, as claimed in claim 1, wherein: said frame structure comprises a plurality of cages with each of said plurality of cages capable of holding two of said plurality of hard disk drives.

6. (Withdrawn) A magazine data storage element, as claimed in claim 1, wherein: said frame structure comprises: a base surface; and a cage that is operatively attached to said base surface and capable of holding two of said plurality of hard disk drives.

7. (Withdrawn) A magazine data storage element, as claimed in claim 1, wherein: said frame structure comprises: a base surface; and a plurality of cages that are each operatively attached to said base surface and capable of holding two of said plurality of hard disk drives.

8. (Withdrawn) A magazine data storage element, as claimed in claim 1, further comprising: a plurality of hard disk drives located within said space defined by said frame structure.

9. (Withdrawn) A magazine data storage element, as claimed in claim 1, further comprising: a drive transport feature for being engaged by a insertion/ejection device of a magazine data storage element drive to move the magazine data store element into and out of the magazine data storage element drive.

10, 11. (Canceled)

12. (Withdrawn) A magazine data storage element, as claimed in claim 1, further comprising: label means for use in identifying the data cartridge magazine.

13. (Withdrawn) A magazine data storage element, as claimed in claim 12, wherein: said label means comprises an indentation located in a portion of said frame structure that would be considered a side wall when the magazine data storage element has an operational orientation with respect to a shelf within a magazine-based library, wherein said indentation is for accommodating a label for identifying the magazine data storage element.

14. (Withdrawn) A magazine data storage element, as claimed in claim 12, wherein: said label means comprises: a first indentation located in a first portion of said frame structure; and a second indentation in a second portion of said frame structure that is separated from said first portion; wherein said first indentation is for accommodating a first label for identifying the magazine; wherein said second indentation is for accommodating a second label for identifying the magazine; wherein said first and second portions are each located on a section of said frame structure that would be considered a side wall when the magazine data storage element has an operational orientation with respect to a shelf within a magazine-based library system.

15. (Withdrawn) A magazine data storage element, as claimed in claim 14, wherein: said first

portion being located on a first side wall; and said second portion being located on a second side wall that is parallel to said first side wall.

16. (Withdrawn) A magazine data storage element, as claimed in claim 12, wherein: said label means comprises a sleeve for holding a label.

17. (Withdrawn) A magazine data storage element, as claimed in claim 12, wherein: said label means comprises a radio-frequency identifier.

18. (Withdrawn) A magazine data storage element, as claimed in claim 1, further comprising: a label that identifies the magazine data storage element and is attached to said frame structure at a location that is discernable by a label reader located within a magazine-based library.

19-22. (Canceled)

23. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises a protrusion that is associated with one of said bottom wall and said side wall.

24. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises an indentation that is associated with one of said bottom wall and said side wall.

25. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises a hole that is associated with one of said bottom wall and said side wall.

26. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises a pair of protrusions, with each of said pair of

protrusions associated with one of said bottom wall and said side wall.

27. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises a pair of indentations, with each of said pair of indentations associated with one of said bottom wall and said side wall.

28. (Withdrawn) A magazine data storage element, as claimed in claim 19, wherein: said magazine transport means comprises a pair of holes, with each of said pair of holes associated with one of said bottom wall and said side wall.

29. (Withdrawn) A magazine data storage element, as claimed in claim 19, further comprising: an engaged/disengaged structure for use with a sensor that is used to determine if a magazine transport device associated with a magazine-based library is engaged/disengaged to/from the magazine data storage element.

30. (Withdrawn) A magazine data storage element, as claimed in claim 19, further comprising: a magazine orientation structure for ensuring that the magazine data storage element has a desired orientation within a magazine-based library.

31. (Withdrawn) A magazine data storage element, as claimed in claim 30, wherein: said magazine orientation structure comprises an asymmetric structure this is asymmetric relative to a plane that vertically bisects the magazine data storage element.

32. (Withdrawn) A magazine data storage element, as claimed in claim 31, wherein: said asymmetric structure comprises a pair of parallel rails.

33. (Withdrawn) A magazine data storage element, as claimed in claim 19, further comprising: a retaining structure for use in holding the magazine data storage element in association with a shelf within a magazine-based library but releasing the magazine data storage element when a force is applied to the magazine data storage element by a magazine

transport device associated with the magazine-based library.

34. (Withdrawn) A magazine data storage element, as claimed in claim 33, wherein: said retaining structure comprises a notch for engaging a notch-engaging structure associated with a shelf.

35. (Withdrawn) A magazine data storage element, as claimed in claim 33, wherein: said retaining structure comprises a detent for use in engaging a notch associated with a shelf.

36. (Withdrawn) A magazine data storage element, as claimed in claim 33, wherein: said retaining structure comprises: a detent for engaging a notch associated with a shelf; and a spring for applying a force to said detent.

37. (Original) A magazine data storage element drive for use with a magazine data storage element comprised of a frame structure, a plurality of hard disk drives supported by the frame structure, and an interconnect structure that extends between each of the hard disk drives and a magazine-drive connector, the drive comprising: a frame for supporting a magazine data storage element; and a magazine data storage element cable, operatively attached to said frame, comprising a drive-magazine connector for connecting with a magazine-drive connector of a magazine data storage element, a drive-device connector, and conductors extending between said drive-magazine connector and said drive-device connector.

38. (Currently Amended) A The magazine data storage element drive, as claimed in claim 37, wherein: said frame comprises a guide for aligning a magazine-drive connector of a magazine data storage element with said drive-magazine connector.

39. (Currently Amended) A The magazine data storage element drive, as claimed in claim 37, wherein: said drive-magazine connector comprises a plurality of pins.

40. (Currently Amended) A The magazine data storage element drive, as claimed in claim 39,

wherein: said drive-magazine connector comprises a plurality of spring-loaded pins.

41. (Currently Amended) ~~A~~ The magazine data storage element drive, as claimed in claim 37, further comprising: an insertion/ejection device for: (a) applying a force to a magazine data storage element that causes the magazine plug of a magazine data storage element to move towards said drive-magazine connector; and (b) applying a force to a magazine data storage element that causes the magazine plug of a magazine data storage element to move away from said drive-magazine connector.

42. (Currently Amended) ~~A~~ The magazine data storage element drive, as claimed in claim 41, further comprising: a fan.

43. (Currently Amended) ~~A~~ The magazine data storage element drive, as claimed in claim 37, wherein: said frame comprises an exterior housing; wherein said exterior housing comprises: a top surface, a bottom surface that is separated from and substantially parallel to said top surface, a first side surface that is substantially perpendicular to said top surface; a second side surface that is separated from and substantially parallel to said first side surface; a front surface that is substantially perpendicular to said top surface and said first side surface; and a back surface that is separated from and substantially parallel to said front surface; wherein said front surface defines a opening for receiving a magazine data storage element.

44. (Currently Amended) ~~A~~ The magazine data storage element drive, as claimed in claim 43, wherein: said exterior housing having a height that is the distance between said top surface and said bottom surface; and said exterior housing having a width that is the distance between first side surface and said second side; and wherein said height and said width of said housing conform to the specifications of one of a rack mounted LTO, DLT and SAIT tape drive.

45. (Canceled)

46. (Withdrawn) A magazine based library, as claimed in claim 45, wherein; said magazine

transport device comprises: a magazine picker for displacing a magazine data storage element towards and away from said shelf and towards and away from said magazine data storage element drive; and an elevator for moving said magazine picker to a location adjacent said shelf and to a location adjacent to said magazine data storage element drive.

47. (Withdrawn) A magazine-based library, as claimed in claim 45, further comprising: an entry/exit port for conveying a magazine data storage element between an environment that is exterior to said frame and a space interior to said frame.

48. (Withdrawn) A magazine-based library, as claimed in claim 45, further comprising: a transport space that defines a volume within said space defined by said frame within which said magazine transport device operates; wherein said transport space is bounded by a first transport space vertical plane and a second transport space vertical plane that is substantially parallel to said first transport space vertical plane; wherein said transport space has a transport space depth that is the distance between said first and second transport space vertical planes as measured along a line that is perpendicular to said first and second transport space vertical planes; and a magazine space that defines a volume within said space defined by said frame within which the at least two magazine data storage elements reside when operationally oriented with respect to said shelf system such that said magazine transport device is able to displace a magazine data storage element relative to said shelf system and operationally located so as to not otherwise interfere with movement of said magazine transport device; wherein said magazine space is bounded by a first magazine space vertical plane and a second magazine space vertical plane that is substantially parallel to said first magazine space vertical plane; wherein said magazine space has a magazine space depth that is the distance between said first and second magazine space vertical planes as measured along a line that is perpendicular to said first and second magazine space vertical planes; wherein said transport space first and second vertical planes and said magazine space first and second vertical planes are substantially parallel to one another; said magazine space depth is greater than said magazine space depth and less than twice said magazine space depth.

49. (Withdrawn) A magazine-based library, as claimed in claim 45, further comprising: a drive bay assembly for holding said magazine data storage element drive.

50. (Withdrawn) A magazine-based library, as claimed in claim 49, wherein: said drive bay assembly comprising: a housing structure that defines a first open side which is exposed to said magazine transport device, a second open side which is exposed to a space that is operator accessible, and a passageway extending between said first and second open sides; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a magazine data storage element drive that has a front side with a receptacle for receiving a magazine data storage element and a back side with a plug interface for receiving electrical signals; said sled comprising: a frame that extends from a first end to a second end and is capable of holding a magazine data storage element drive such that the receptacle of a magazine data storage element drive is adjacent to said first end and the plug interface of the magazine data storage element drive is adjacent to said second end; and electrical connection means for establishing an electrical connection between the host plug interface of a magazine data storage element drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.

51. (Withdrawn) A magazine-based library, as claimed in claim 45, further comprising: an operator alterable space located with a space defined by said frame; wherein said operator alterable space comprises a library mounting structure for receiving a module, a first side that is exposed to said magazine transport device and a second side that allows an operator to attach a module to said mounting structure.

52. (Withdrawn) A magazine-based library, as claimed in claim 51, further comprising: a drive bay assembly module comprising: a housing structure that defines a first open side which is exposed to said magazine transport device, a second open side which is exposed to a

space that is operator accessible, and a passageway extending between said first and second open sides; said housing structure comprising a drive bay mounting structure for interfacing with said library mounting structure such that when said drive bay assembly module is mounted within said space defined by said frame, said first open side is exposed to said magazine transport device and said second open side is exposed to said space that is operator accessible; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a magazine data storage element drive that has a front side with a receptacle for receiving a magazine data storage element and a back side with a plug interface for receiving electrical signals; said sled comprising: a frame that extends from a first end to a second end and is capable of holding a magazine data storage element drive such that the receptacle of a magazine data storage element drive is adjacent to said first end and the plug interface of the magazine data storage element drive is adjacent to said second end; and electrical connection means for establishing an electrical connection between the host plug interface of a magazine data storage element drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.

53. (Withdrawn) A magazine-based data cartridge library, as claimed in claim 51, further comprising: a magazine bay assembly module comprising: a housing that defines an interior space that is capable of accommodating a magazine data storage element and an opening for receiving a magazine data storage element; said housing structure comprising a magazine bay mounting structure for interfacing with said library mounting structure such that when said magazine bay assembly module is mounted within said space defined by said frame, said opening is exposed to at least one of said magazine transport device.

54. (Withdrawn) A magazine-based library, as claimed in claim 45, further comprising: a power supply, operatively attached to said frame, for receiving AC power from an external environment and producing DC power in a form suitable for use by said magazine data

storage element drive; and a conductor, operatively attached to said frame, for conveying DC power from said power supply to said magazine data storage element drive; wherein said conductor has a first flat external surface and a second flat external surface that is substantially parallel to said first flat external surface.

55. (Withdrawn) A magazine-based library, as claimed in claim 45, wherein: said frame comprising: a first frame that defines a first side; a first passageway extending through a portion of said first side; a second frame that defines a second side; and a second passageway extending through a portion of said second side; wherein said magazine transport device is capable of moving a magazine data storage element within said first frame, moving a magazine data storage element through said first and second passageways, and moving a magazine data storage element within said second frame.

56. (Withdrawn) A magazine based data cartridge library, as claimed in claim 55, wherein: said magazine transport device comprising: a first magazine transport device for moving a magazine data storage element within said first frame; and a second magazine transport device for moving a magazine data storage element within said second frame.

57. (Withdrawn) A magazine-based data cartridge library, as claimed in claim 55, wherein: said magazine transport device comprising: a first magazine transport device for moving a magazine data storage element within said first frame; a second magazine transport device for moving a magazine data storage element through said first and second passageways; and a third magazine transport device for moving a magazine data storage element within said second frame.

58. (Withdrawn) A magazine-based data cartridge library comprising: a frame; a shelf system, operatively attached to said frame, capable of supporting at least two magazines, with each of the magazines being one of a magazine data storage element and a data cartridge magazine, and comprising at least one shelf; a data cartridge drive, operatively attached to said frame, for transferring data between a host computer and a recording medium located within a

cartridge; a magazine data storage element drive, operatively attached to said frame, for transferring data between a host computer and a magazine data storage element comprised of a plurality of hard disk drives; a cartridge transport, operatively attached to said frame, for moving a data cartridge between a data cartridge magazine and said data cartridge drive; a magazine transport device, operatively attached to said frame, that is capable of moving, within a space defined by said frame, a magazine that is either a data cartridge magazine or a magazine data storage element.

59. (Withdrawn) A magazine-based library, as claimed in claim 58, wherein: said magazine transport device comprises: a magazine picker for displacing a magazine towards and away from said shelf; and an elevator for moving said magazine picker.

60. (Withdrawn) A magazine-based library, as claimed in claim 59, wherein: said cartridge transport comprises said elevator.

61. (Withdrawn) A magazine based library, as claimed in claim 58, wherein; said magazine transport device comprises: a magazine picker for displacing a magazine data storage element towards and away from said shelf and towards and away from said magazine data storage element drive and for displacing a data cartridge magazine towards and away from said shelf; and an elevator for moving said magazine picker to a location adjacent said shelf and to a location adjacent to said magazine data storage element drive.

62. (Withdrawn) A magazine-based library, as claimed in claim 58, further comprising: an entry/exit port for conveying a magazine that is either a magazine data storage element or a data cartridge magazine between an environment that is exterior to said frame and a space interior to said frame.

63. (Withdrawn) A magazine-based library, as claimed in claim 58, further comprising: a transport space that defines a volume within said space defined by said frame within which said magazine transport device operates; wherein said transport space is bounded by a first

transport space vertical plane and a second transport space vertical plane that is substantially parallel to said first transport space vertical plane; wherein said transport space has a transport space depth that is the distance between said first and second transport space vertical planes as measured along a line that is perpendicular to said first and second transport space vertical planes; and a magazine space that defines a volume within said space defined by said frame within which the at least two magazine data storage elements reside when operationally oriented with respect to said shelf system such that said magazine transport device is able to displace a magazine data storage element relative to said shelf system and operationally located so as to not otherwise interfere with movement of said magazine transport device; wherein said magazine space is bounded by a first magazine space vertical plane and a second magazine space vertical plane that is substantially parallel to said first magazine space vertical plane; wherein said magazine space has a magazine space depth that is the distance between said first and second magazine space vertical planes as measured along a line that is perpendicular to said first and second magazine space vertical planes; wherein said transport space first and second vertical planes and said magazine space first and second vertical planes are substantially parallel to one another; said magazine space depth is greater than said magazine space depth and less than twice said magazine space depth.

64. (Withdrawn) A magazine-based library, as claimed in claim 58, further comprising: a drive bay assembly for holding said magazine data storage element drive.

65. (Withdrawn) A magazine-based library, as claimed in claim 64, wherein: said drive bay assembly comprising: a housing structure that defines a first open side which is exposed to said magazine transport device, a second open side which is exposed to a space that is operator accessible, and a passageway extending between said first and second open sides; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a magazine data storage element drive that has a front side with a receptacle for receiving a magazine data storage element and a back side with a plug interface for receiving electrical signals; said sled comprising: a frame that extends from a first end to a second end and is capable of holding a magazine data storage element drive such that the receptacle of a

magazine data storage element drive is adjacent to said first end and the plug interface of the magazine data storage element drive is adjacent to said second end; and electrical connection means for establishing an electrical connection between the host plug interface of a magazine data storage element drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.

66. (Withdrawn) A magazine-based library, as claimed in claim 58, further comprising: an operator alterable space located with a space defined by said frame; wherein said operator alterable space comprises a library mounting structure for receiving a module, a first side that is exposed to said magazine transport device and a second side that allows an operator to attach a module to said mounting structure.

67. (Withdrawn) A magazine-based library, as claimed in claim 66, further comprising: a magazine data storage element drive bay assembly module comprising: a housing structure that defines a first open side which is exposed to said magazine transport device, a second open side which is exposed to a space that is operator accessible, and a passageway extending between said first and second open sides; said housing structure comprising a drive bay mounting structure for interfacing with said library mounting structure such that when said drive bay assembly module is mounted within said space defined by said frame, said first open side is exposed to said magazine transport device and said second open side is exposed to said space that is operator accessible; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a magazine data storage element drive that has a front side with a receptacle for receiving a magazine data storage element and a back side with a plug interface for receiving electrical signals; said sled comprising: a frame that extends from a first end to a second end and is capable of holding a magazine data storage element drive such that the receptacle of a magazine data storage element drive is adjacent to said first end and the plug interface of the magazine data storage element drive is adjacent to

said second end; and electrical connection means for establishing an electrical connection between the host plug interface of a magazine data storage element drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.

68. (Withdrawn) A magazine-based data cartridge library, as claimed in claim 66, further comprising: a data cartridge drive bay assembly module comprising: a housing structure that defines a first open side, a second open side, and a passageway extending between said first and second open sides; said housing structure comprising a drive bay mounting structure for interfacing with said library mounting structure such that when said drive bay assembly module is mounted within said space defined by said frame, said first open side is exposed to said cartridge transport and said second open side is exposed to said space that is operator accessible; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a drive that has a front side with a receptacle for receiving a data cartridge and a back side with a plug interface for receiving electrical signals; said sled comprising: a frame that extends from a first end to a second end and is capable of holding a drive such that the receptacle of a drive is adjacent to said first end and the plug interface of the drive is adjacent to said second end; and electrical connection means for establishing an electrical connection between the plug interface of a data cartridge drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.

69. (Withdrawn) A magazine-based data cartridge library, as claimed in claim 66, further comprising: a magazine bay assembly module comprising: a housing that defines an interior space that is capable of accommodating either a magazine data storage element or a data cartridge magazine and an opening for receiving a magazine data storage element or a data

cartridge magazine; said housing structure comprising a magazine bay mounting structure for interfacing with said library mounting structure such that when said magazine bay assembly module is mounted within said space defined by said frame, said opening is exposed to at least one of said magazine transport device and said cartridge transport.

70. (Withdrawn) A magazine-based library, as claimed in claim 58, further comprising: a power supply, operatively attached to said frame, for receiving AC power from an external environment and producing DC power in a form suitable for use by said magazine data storage element drive and said data cartridge drive; and a conductor, operatively attached to said frame, for conveying DC power from said power supply to said magazine data storage element drive and said data storage drive; wherein said conductor has a first flat external surface and a second flat external surface that is substantially parallel to said first flat external surface.

71. (Withdrawn) A magazine-based library, as claimed in claim 58, wherein: said frame comprising: a first frame that defines a first side; a first passageway extending through a portion of said first side; a second frame that defines a second side; and a second passageway extending through a portion of said second side; wherein said magazine transport device is capable of moving a magazine data storage element within said first frame, moving a magazine data storage element through said first and second passageways, and moving a magazine data storage element within said second frame.

72. (Withdrawn) A magazine based data cartridge library, as claimed in claim 71, wherein: said magazine transport device comprising: a first magazine transport device capable of moving either a magazine data storage element or a data cartridge magazine within said first frame; and a second magazine transport device capable of moving a either a magazine data storage element or a data cartridge magazine within said second frame.

73. (Withdrawn) A magazine-based data cartridge library, as claimed in claim 71, wherein: said magazine transport device comprising: a first magazine transport device capable of

moving either a magazine data storage element or a data cartridge magazine within said first frame; a second magazine transport device capable of moving either a magazine data storage element or a data cartridge magazine through said first and second passageways; and a third magazine transport device capable of moving either a magazine data storage element or a data cartridge magazine within said second frame.

74. (New) A mobile data storage magazine for interacting with a docking station of a data storage library, said docking station including conductors for providing electrical power and communication, said magazine comprising:
- a magazine frame comprising an opening adapted to receive a plurality of operatively interconnected disk drives;
 - a contact element associated with said magazine frame for conducting electrical power from said docking station to at least one of said plurality of disk drives when said contact element is engaged with said docking station electrical power conductor in a relationship that excludes a male and female relationship;
 - a communication element associated with said magazine frame capable of conducting data between said docking station communication conductor and at least one of said plurality of disk drives when said communication element is engaged with said docking station communication conductor in a relationship that excludes a male and female relationship.
75. (New) The mobile data storage magazine of claim 74 further comprising a magazine cover that substantially encases said frame.
76. (New) The mobile data storage magazine of claim 74 wherein said disk drives cooperate as a single storage element.
77. (New) The mobile data storage magazine of claim 74 wherein said interconnected disk drives are inaccessible by a user when said magazine is interacting with said docking station.

78. (New) The mobile data storage magazine of claim 74 wherein said conductors each comprise either a flexible conductive element or a substantially flat conductive pad.
79. (New) The mobile data storage magazine of claim 78 wherein said flexible conductive element is a spring loaded pin.
80. (New) The mobile data storage magazine of claim 74 wherein said contact element is a substantially conductive pad adapted to engage a spring loaded pin.
81. (New) The mobile data storage magazine of claim 74 wherein said communication element is adapted to receive communication through either electrical or optical transmission.
82. (New) The mobile data storage magazine of claim 74 wherein said mobile data storage magazine is capable of coexisting with at least one data cartridge magazine comprised by a tape magazine library wherein said mobile data storage magazine is capable of being transferred within said tape magazine library by a robotic element from at least a shelf system to at least said docking station.
83. (New) The mobile data storage magazine of claim 82 wherein said mobile data storage magazine is substantially the same size and shape as a data cartridge magazine sized to fit substantially within said docking station and that is capable of holding at least two data cartridges.
84. (New) A method for engaging a mobile data storage magazine with a docking station of a data storage library, comprising the method steps of:
engaging at least one docking station contact element comprised by said docking station with at least one magazine contact element contact element in a non male/female relationship to establish electrical connection;

providing electrical power to at least one of a plurality of disk drives capable of being disposed in said mobile data storage magazine;
establishing communication with at least said docking station via a communication connection established between at least one communication element associated with said magazine and a compatible communication element associated with said docking station.

85. (New) The method of claim 84, further comprising the method step of storing data on at least one of said plurality of disk drives.
86. (New) The method of claim 85, wherein said communication connection is established with non male/female contact elements when in contact.
87. (New) The method of claim 86, wherein said communication connection is established through either electrical or optical transmission.
88. (New) The method of claim 84, wherein said electrical connection is established through the engagement of a flexible pin and substantially flat pad combination.
89. (New) The method of claim 84, further comprising the method step of transferring said magazine from a storage location in a tape magazine library to said docking station in said tape library by a robotic element.
90. (New) A mobile data storage magazine, for interacting with a docking station, comprising:
a magazine frame defining a space wherein a plurality of operatively interconnected disk drives can be disposed;
a first contact element associated with said magazine frame capable of conducting electrical power to at least one of said plurality of disk drives when engaged with a second contact element associated with said docking station wherein said first and

second contact elements are adapted to cooperate in a non male/female relationship;
a first communication element associated with said magazine frame capable of
conducting data between at least one of said plurality of disk drives and said docking
station when said first communication element is operatively linked to a second
communication element associated with said docking station.

91. (New) The mobile data storage magazine of claim 90 wherein said mobile data storage magazine is adapted to be received by an opening in said docking station.
92. (New) The mobile data storage magazine of claim 91 wherein said docking station is capable of pulling said mobile data storage magazine into said docking station by a pulling means to engage said first and second contact elements.
93. (New) The mobile data storage magazine of claim 92 wherein said first contact element is a substantially flat conductive pad and said second contact element is a flexible conductive member adapted to flexibly comply with said conductive pad upon engagement.